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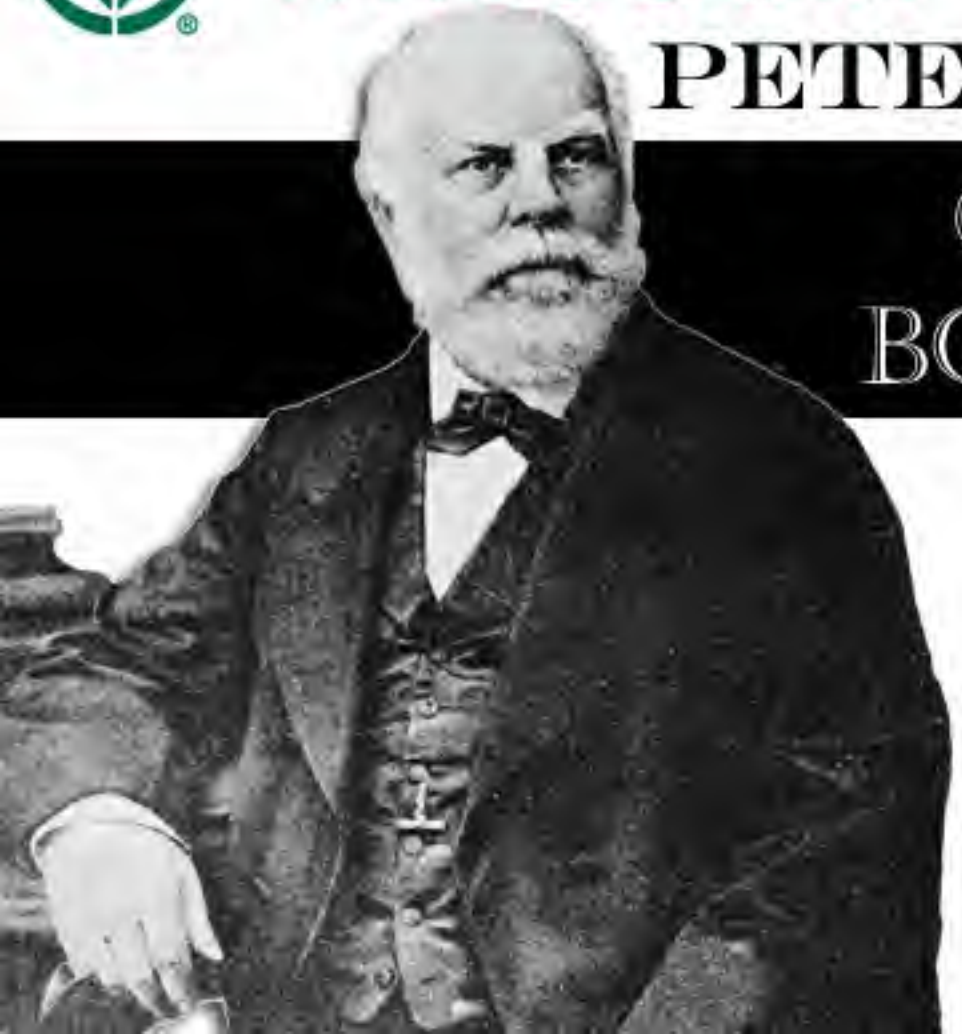

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

985–1010

& Central America & West Indies

Mexican Pines

0 1 2 3 4 5 6 7 8 9 10
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Isitka coerulea
Lonicera coerulea L.

Pers I, 213
Roem II, 176
Spr I, 959

Europ. med.
A. [illegible]

Host Salzb.

MISSOURI BOTANICAL GARDEN
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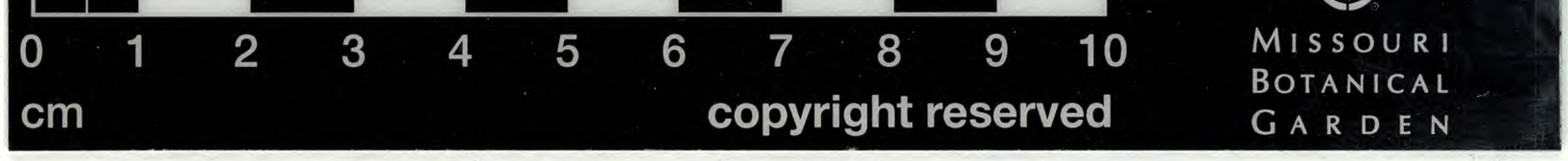
19811



March 23 1882

+ Pinus Cratisquama vel Palmeri

~~crotina~~ (Pineter, ductibus peripheriis, ~~quaternis~~ strobilis sublessiliebus, seminibus magnis pene exalatis.)

foliis quinis, (tennissimis sparsim serratis brevibus (1½–2 poll longis)) longe vaginatis; vaginis laxis evanescentibus, fractis, laceratis integrisve; ~~stro~~ flor. masculis ? strobilis pedunculo erecto-cylindraceis pedunculatis ~~oblongis~~ (mediis pollicem vel alte latis) obliquis rhomboidis transverse serinatis, umbone immerso (~~non apiculato~~) mobilis infimis ~~stellariformibus~~ castaneis lucentibus deflexis. ~~semibus (ex vestigiis)~~ maximis pene exalatis.

+ Northern Mexico, Dr E Palmer 1880 — Nothing is known of the size or shape of the tree or the character of its timber; but from its alliance we must suppose it to be a small tree with hard wood. Its relations are the most curious; it is a Strobus with the scales of a Pinaster, ~~Pinaster~~ at centroid or knot pine with a produced cone and reflexed leaves, a Pseudostrobus with large wingless seeds with these Cash its relationship is closest and it will have to be placed with them. In the leaves however very small persistent ducts on the dorsal side

separate from the spikes only by the opposite cells
and ~~the whole surface are~~ [illegible] cells under the epidermis whole
only seen
The cone is 3/4 inch long and 1 3/4 in diameter on a
peduncle nearly 1/2 inch long; the seeds, to judge from those
a few of the ripe must be considerably over 1/2 inch long
X the order of the scales is 13/21

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Dear Dr. Engelmann, I
the stems and
the last week
for the
very much
by this mail
I wrote to you
enclosed stamps
I thank you
to name them
time I am able
feeling specimens
be very glad to
Yours

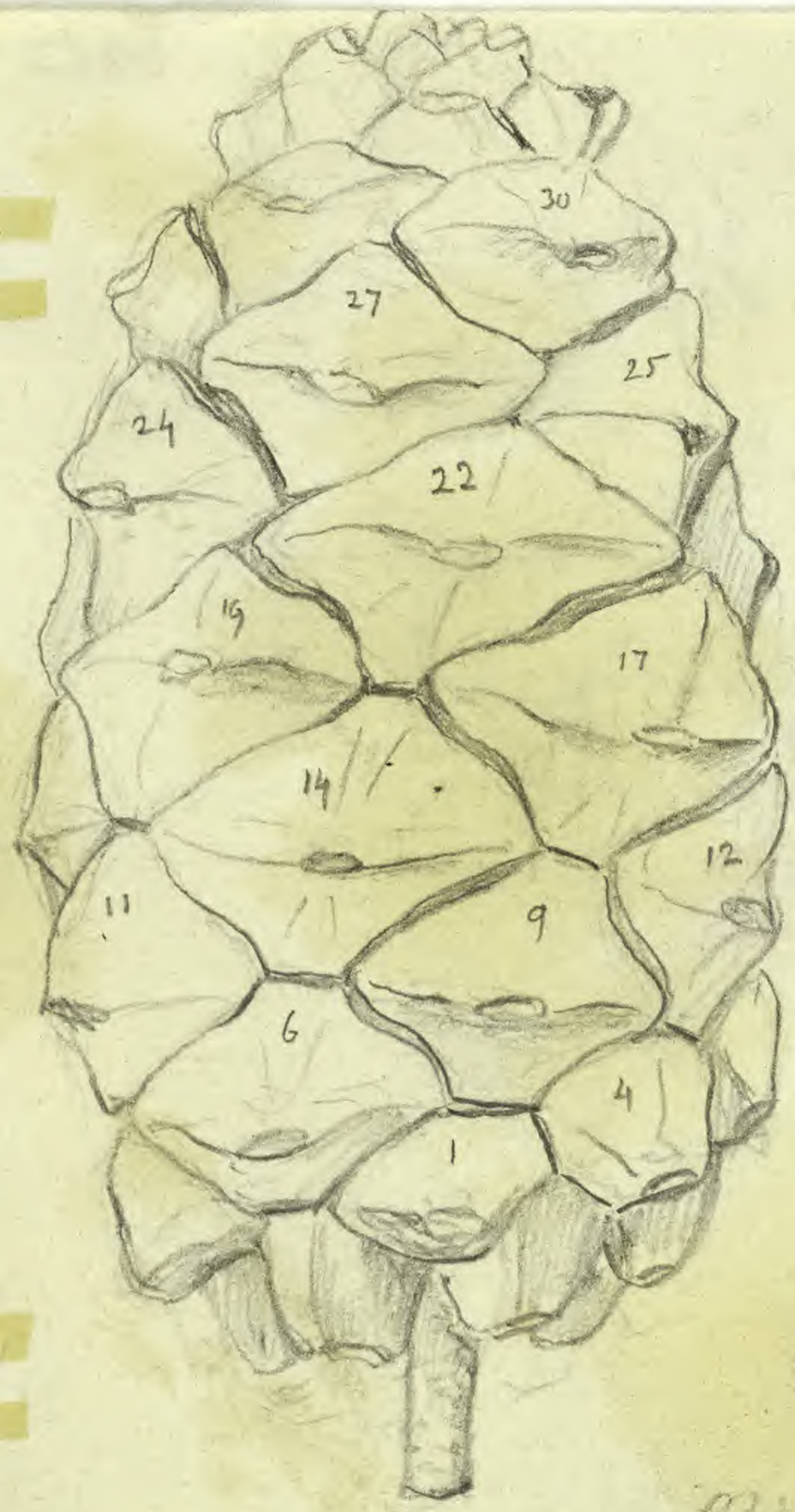
Rec'd March 23

C9811

Pinus Cattsegamma March 23 1882

Northern Mexico 1880 Dr E Palmer

Cone scales = 13/21 order



Cone. x4 2½ lines long

Leaf ⅓ line Thick

Foliis quinatis vaginatis Pinaceae

Leaf does not belong here perhaps to Agathis but that has no hypoderm

inside of scale

Long

3½ inches long 1¾ inch diam ; pedicels 5/8 lines long ; leaves 1½ - 2 inches

11863

all the pseudostats have parenchymatous hairs and usually heads, otherwise the genus is somewhat like P. leiophylla

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JAMES McBRIDE,
Pharmaceutist,
No. 280 FIFTH STREET, NEAR O'FALLON,
SAINT LOUIS.

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Pinus Catisquamea Engelm

citation in Bot. Am. And. vol 18 p. 158

Leaves in 3's, entire 2–4 inches long

see reverse side of Citation on Ephedra

among Ephedra papers

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1864

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Dear Sir

I have been a few weeks

I shall return to Texas next

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1259 Palmeria Pin Cotinifolia Nov. Gen. et Sp. Nov. Hordes of leaf Cracks of Palmeria
one, with Cone, Cotti coll in March 1, large leaves, sheaths all lost—
bed of 8 ft. 7-5 sheath sheaths = Pin cambrides
2, sheath of last years leaves yet persistent; leaves more slender
7-5 each sheaths with appressed knots = P. cambrides
~~for 7-5 Cone. Cupressiformis Kunth also C. australis~~

11865

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Pinus latisquama n. sp. (Pinaster ductibus peripheriis, strobilis subterminalibus, seminibus magnis fere exalatis)

Foliis quinis brevibus (1½-2 poll. longis) tenuissimis longe acuminatis sparsim serrulatis, vaginis laxis deciduis, squamis lanceolatis integriusculis; strobilis ovato-cylindricis pedunculatis squamis pro ejus magnitudine latissimis (medio pollicem vel ultra latis) obliquè rhomboideis transverse (castaneis aut fenestris) carinatis umbone immerso mucronatis, infimis tuberculiformibus deflexis.

Salillo, Dr E Palmer 1880. Nothing is known of the size or shape of the tree or the character of its timber; from its alliance we must suppose it to be a small tree with hard wood. Its relations are the most curious: it would be a Strobus but with the cones scales of a Pinaster, a Pseudostrobus with peripherical ducts and large winged seeds, a Cembroid or Nut pine with a pedunculed cone and serrulate leaves. With this last section its affinity is closest and we must place it with them. The leaves are amongst the thinnest pine-leaves known ⅓ of a line or less wide, with 2 very small peripheral ducts on the dorsal side, separated from the epidermis only by the simple layer of hypoderm cells which under the whole epidermis of the leaf. The only cone seen is 3½ inches long and 1¾ in diameter its peduncle ½ inch long: the seeds appear to be over ½ inch long. the scales are arranged in 13/21 order.

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Though it may not be desirable to publish in the pages of this journal descriptions of new species of plants of foreign countries, the following extract

Pinus latisquama ~~is~~ is one of the most interesting discoveries made by Dr Rothrock in Mexico. It is a Pinaster I name a extremely rare pine discovered by Dr C. H. Merriam South of Saltillo, Mexico. It belongs to the Pinaster with peripheral ducts in the leaves and subterminal cones. The leaves, about 1½ - 2 inches long by

Dr C. H. Merriam in the mountains south of Saltillo. The short (1½-2) extremely slender and very slightly scarlet-leaves are in fives & their loose sheaths are early deciduous, their connate, about ⅓ the whole length, very brown, smooth exterior the scales obtusely rhombic, very broad, smooth exterior with the ends incurved and with a prickle; it cones only depressed

large and unarmed.

This species, about the habit and size of Pinus Pinaster is known, but very peculiar in its foliage & sheath, closely allied to the Canadian or Mexican, but with remote leaves with all the bulbs and with the remote bases of the cone scales which are found in all the other species. The leaves are among the thinnest of pine leaves known, nearly 1/3 line wide; they have two very small peripheral ducts one on the dorsal side separated from the epidermis only by the single layer of hypoderm cells, which underlie the yielding all around the leaf. The cone when full grown is 2½ by 1¾ - 2 inches; its peduncle is thick; scales among the thickest known, shiny

The Bottle ones are round or more wide, manally have
further of the corner; Seeds not seen, but Heavily —
some shows that they are often smooth by sides.

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29811

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Oct 3d 1863

Dr Lyall in Colville

Pinus Strobus

P. exelsa

P. monticola (Foli obtuso apice dentato)

P. Lambertiana fol 3 ... 7 ‴ / acutis

vix apice denticulati

P. strobiformis fol acuti ad apicem denticulati

fol. affixis

These are all the rock Strobus which I possess, they are characterized by the leaves being more or less spinulose — serrate, up to the more or less obtuse tip

fol. obtusiuscula

P. Mentitola Sargent adds only P. Ayacahuite with doubtful P. Peuce to this group

Strobus

exelsa

fol. acuta

strobiformis

Lambertiana

over

11868

P. foliosa

P. Torreyella — otherwise —

habit very much like Stenotus

linearis very different venation

of leaves

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ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,
Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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Pinus pseudostrobus Lindl. — Hond. Mem. I. p. 392

higher Mtns of Mexico; near Sallapec

(*P. leiophylla* Schlecht & Ch. & *P. filifolia* Sw. have

quinate, *P. patula* Schl. & Ch. have very long leaves

(8–9") *P. Teocote* Schl. & Ch. — all ± Mexico)

leaves 2–3, cone subglobose, scales recurved

at the apex with rhombic umbones.

11869

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Pinus cembroides Orl 12 1882

Mexico, C Palmer 1299 (1880)

3 leaved pine, sheath deciduous,
hypoderm strongly developed all around
2 peripheral dorsal ducts

margin smooth; no teeth at all, leaves 3½ inches long

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cm
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Coll. Hb. Berolin 1869 terminal

Cones: P. leiophylla 724. 719

P. Torreyi 643. 731. 707. 729 (Schiede) 640. 703 636
"leiophylla" Hartw
terminal
P. Greggii Calost 643.

P. pulcha (strob Calost) 718. 706 (643 Hartw = 728 Dal) 711 731?
maxima 780 725a 708

P. Montezumae Ferd strob. major cylind 723! 700 620 727 712 721
725c

strob. minor cont 732 616 652 716
P. Engelmanni 702. 713. cont var macrocarpa 720
? 783
701 " macrophylla "
732 " pseudostrobus " 721-6?

616 Montezumae mf-
620 mfle pr
Herb 652 Montezumae simplicicum?
Exam 643 for cones?

Cones of: Ayacahuite
Ocarpa
var? tuberculata
Engelmanni
religiosa
Douglasii.

11871

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Engelm.

P. leiophylla, Mexico, Hartweg 441 has longer, slender
long-obtected leaves, sheath persistant. Hb Mus Vindob.
July 22 1879

P. patula Hartweg 443 is correct, but
Hb. Mus Vindob
July 22 1879
No 442 is a slender straight leaved plant
a similar one comes from Hellers, named by Regel Tsch
P. patula var stricta Benth. Looks like Seemanii

11872

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Pinus ~~leptophylla~~ 3–5 leaved, sheaths long & loose, and soon disappearing. Leaves slender, long

Ab Mrs Underb
July 1869

on a vigorous, short st. leaves ± three below, ± 5 upon on all others ± 5

Volcan Toluca ~~9600~~ 8600', 30–40' high 415 Carl Heller

Another specimen, higher up, 9000', tree 60–80' high shorter more slender leaves and always ± 5

11873

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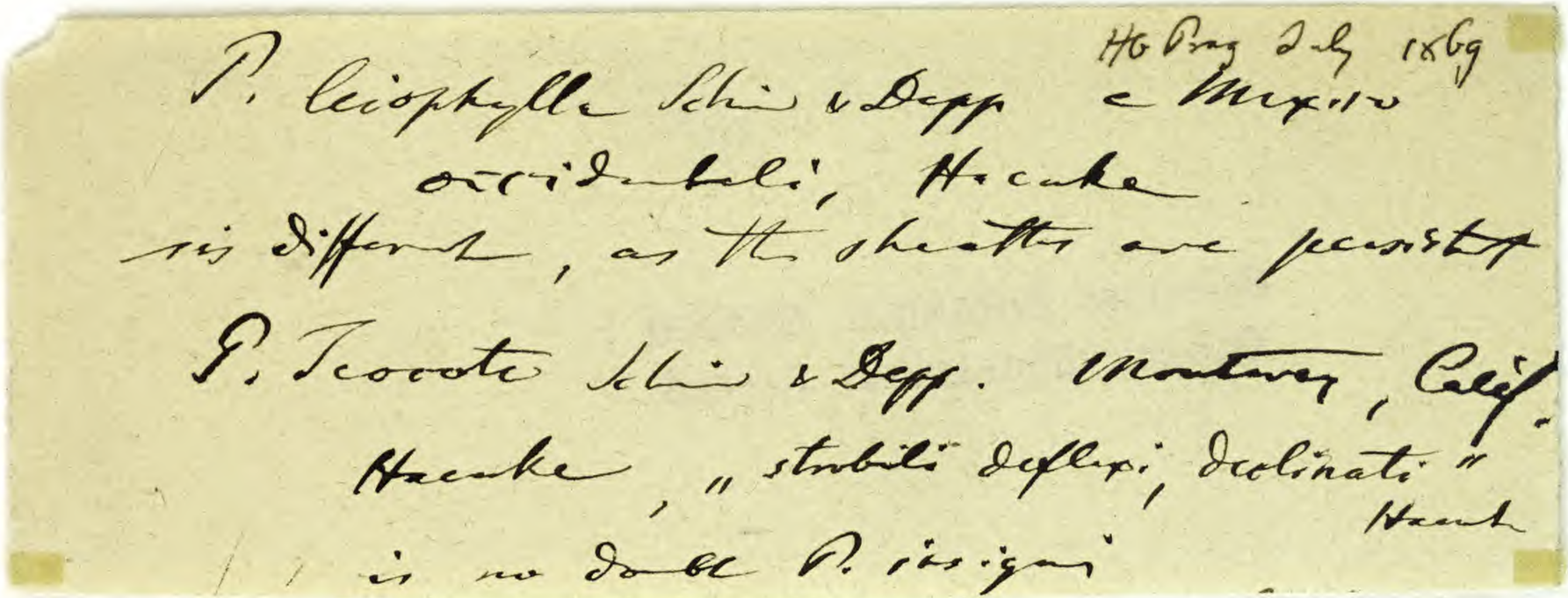

P. leiophylla Schl. & Deppe
ovoidalis, Hacke
is different, as the sheaths are persistent

P. Tecoote Schl. & Deppe. Monterey, Calif.
Hacke, "strobili deflexi, declinati"
Hank
is no doubt P. insignis

Ho Prag July 1869
c Mexico

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161 (1109 P. Ceriophylla (Schiede) HG Berolin
June 1869
159 P. ovoid.
160 ~~ovoid~~ tenuifolia f. Lax
163 P. patula Harbour Jeff + Harbour. Cliff
162 Jacquete short stout Canon
164 (Chihuahuensis) Mexicana (Chm)
165 longifolia (Zucc)
166 ~~Smithiana~~ "
167 Jacobi (very poor
168 palustris still poorer
~~449.~~ 163 P. patula Schiedeana Hartweg Jeff + Jeff Parley
634. Chirenberg Mex. 3 leaved, not named Jacquete
636 - - - - - Real del Monte - stout
635 - - - 3 lea of - Jeriffe cembroides
637 - - - - 3 leaves stout
638 - - - Jacquete long curved cone
639 - - - Jacquete short straight -
640 - - - Jacquete shortest oval -
641 - - 15 "
642 - - " Jacquete ? Perlat] Chrenb. 1088 - sac cone
643 " - [Jacquete ? Perlat] Chrenb. 1088 - sac cone
644 - - - ovoidea stout
645 - - - oblongifolia
646.7 " -
576 Columnis
623 Schiedeana, Jacquete. (no cone
624 - - patula
625 - - "
626 - - "
627 628 - - " "
629 - - cembroides
630 - - Ceriophylla f. Parlat. fol cembroides
631 - - the same.
632 - - Jacquete f. Parlat.
633 - - - - - -
617. 618. - - Ceriophylla folis longissimis
620 2 gentlich Jeff!! - - Montezumae folis brevissimis
621 622. - - - fol. densissimis

0 1 2 3 4 5 6 7 8 9 10 cm
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622 Ehrenberg — P. Montagnei con. i innuit.
fol. Graminea robusta

553. Ulke — "P. Ceratophylla Type!
554 — — P. Ceratophylla, Fronds not seen
556 — Montagnei differs (no sheath
Copy Cases
557 — — — P. Ceratophylla more persistent sheath
558 — — sheath deciduous first year
559 — — — f. de Cuba. — fl. Q ap. S!
560 — — ovarpa f. de Cuba "Ovate mucho"
Ehrenb. (3 Cong Cases) de mucho
620. 631. " " — " Ceratophylla! — in Cuba. Sagl.
634 Ehrenberg — 3 Cadwood — squamose stem —
636 Ulke Zeorate
637 Zeorate Cases Stout Ulke — Zeorate? Rec notes not named —
679 G. Ehrenberg Eden — "P. pyramidata" Cuba
612 C. Ehrenberg P. Montagnei strobili ovate
613 — — — — — — —
614 — — — — — — —
615 — — — — — — —
616 — — — — — — —
fol. decurrentia
Stem obtuse 19 ribbed — cuneate
Stem parvis
668. — — — — Brevifolia — — —
669 — — — — — — —
650 — — — — — — —
657 — — — — — — —
561 Ulke — — Ceratophylla vera ? vagin. dent
"Ovate Glauca" vagin
647 — — — — — — —
652 — — — — — — —

To recan 623 625. 627 616 P. Montag

643

638 # 623

Zeorate

Ceratophylla Horotchino (Ulke)

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Herb Kew Sept 7 1869

Pines, Guatemala, Salvin & Godman is a dull P. Ayacahuite, shoots very loose, seem to persist till 12 months old or older — points of leaves scarcely distinct. — "Cones in Museum" [but Hyeronymus Montezum

10 "Pinus oocarpa Link" Oaxaca, Liebman; allied to the slender and short leaved Montezum, bracts persistent, squarrose —

"6 P. oocarpoides Link?" Oaxaca, Liebman — Why not Montezum leaves 35 cent — with vagina very stout.

"4 P. oocarpa Schl Oaxaca Liebman — with depital & cent Long petioled, scales slightly apiculate.

peduncle very squarrose bracted — Terminal bud with orthostich not very squarrose scales

443 Hartweg. P. patula correct

1961 Seemann Sierra Madre is perhaps correctly placed with patula but leaves 20-23 cm long, loose thin shoots entirely — leaves in one of the specimens sometimes in 2° —

one very small

442 Hartweg is correctly named patula

4. Pinus occota, Linden № 4, Orizaba — 10-11000 feet high — comes by Planchon to P. Montezumae — leaves only 12 cent long — cones depital scales short — bracts persistent; even after the fall of leaves, covering the branches — for one or two years more.

8 Liebman P. Montezumae?; Oaxaca Chiapantla Prov. Puebla similar to Montezum but leaves (20 cent long) very slender sometimes like oocarpa mentioned above under N. 10

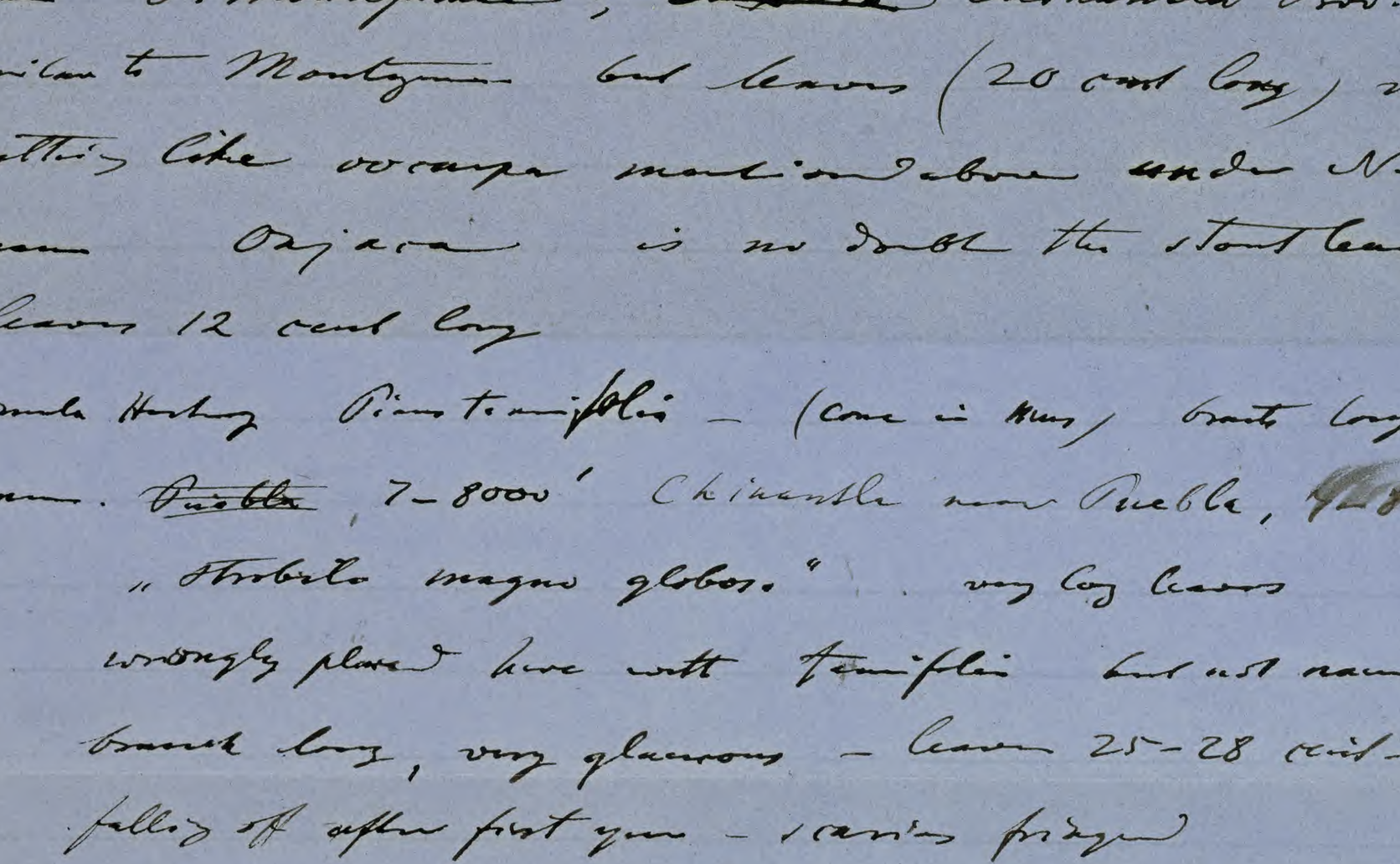
7 Liebman Oajaca is no doubt the stout leaved Pinus occota leaves 12 cent long

620 Guatemala Hartweg Pinus teocotifolia — (cone in Kew) bracts long persistent

1 Liebman. Puebla 7-8000' Chiapantla near Puebla, 7-8000

"Strobilo magno globoso." very big leaves what is it? wrongly placed here with teocotifolia but not named — branch long, very glaucous — leaves 25-28 cent — bracts falling off after first year — resin[illegible]

2 Liebman Oaxaca, 7500' "strob magno echinato" — Habit of Montezum but descript. of strobil points somewhere else



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Pinus (cones in Museum) Cuba, A Christy 1856

Pinus Wright Cuba 598 yg cones pedunculate, apical, with very short narrow re scales; leaves in 3's

Pinus 3209 Barlandier is here with P. Lambertiana — but is no doubt P. Montezumae or an allied form

Pinus No 9. Oaxaca Liebmann; with the mem: a patula Divers & Hb. H Bot Hafn. leaves 3, rarely 4, with Specimen with longer leaves, also 3, rarely 4, also Oaxaca Liebmann & quite similar; both have the persistent long sheaths, and are probably true patula. cones in both apical

Pinus patula Schm & Schl — Puebla Liebmann, 10 fas, 5 leaves, vaginae deciduous, is no doubt P. leiophylla

P. leiophylla Seemann, Sierra Madre N W Mexico, 1962 & 1960 1063

Pinus sp. No 3 Oaxaca, Liebmann, marked by somebody: P. leiophylla is a rigid patula

Pinus Hartweg 441 "locality unknown." 5 leaved, leaves longer and stronger than usually in P. leiophylla, and sheaths more persistent, apparently persistent in 2d Spring, when 1 year or 11 months old — but have entirely disappeared the second year, when 23 months old The plant just begins to flower —

P. teocote Hort Abbotsbury May 15 1864 — male fl. spike 8 cm long 4 in diam. tree 24' high

P. San Juan Mountain, Fendler, Sinclair, P. radiata (Don) Hook & Arn. Bot Beechey. p. 392. & — p. 447

It is a slender leaved Montezumae; leaves 35, sheaths 3 cm long Liebm No 5, Oaxaca is same with shorter (25 cm) leaves

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Mexican sp. of Pinus in Hb. Kew Sept 1x69

P. Teocote , Puebla, Liebman
Oaxaca N. 7 Liebm

P. patula, Xalapa Galeotti
Orizaba " "
505. Purpusii, Sierra San Pedro
Oaxaca, Liebman
Oaxaca N. 9 Liebm.
1961 Sierra madre Seeman
443 Hartweg
442 "
1 Conifera. Leiden Ex Hooya
3 Oaxaca Liebm (folia rigidiora) cone in Mus. more like leiophylla

P. Hartwegii 620 Guatemala Hartweg
spec. mihi

P. Hartwegii 4 Conifera Leiden Orizaba 1839
P. macrophylla Lyon. 3 Pinus Galeotti Orizaba 1840
mentis of Chiapas Scheer.
P. Oocarpa 10 Oaxaca Liebman cone in Mus. is oocarpa
2 " " cone is that of Ayacahuite in Mus.
4 " " cone in Mus is patula
1 Puebla "

P. Montezumae tenuifolia Tepic, Sartori
5. Oaxaca Liebm cone in Mus. is Ayacahuite
& Puebla " cone is that of a Sierra Sierra Italy Montezumae
robusta Copelii ~~Montezumae Liebm~~
Gregg 628a
Seeman 1454 Cerro de Pinal
6 oocarpoides Hook? Oaxaca Liebm
3209 Barkudin

P. leiophylla 1962 Sierra madre Seeman
1060 " "
1960 " "
Puebla Liebm (sub patula)
2 Conif. Leiden Orizaba
var rigidior Hartweg 441

de Cand

11878

A. Cambridge — Seem
Hartweg

O. Ayacahuite — Puebla Liebman
Guatemala Telos & Godm

var. Hfferiat — one = Mus. a long cylindrical Knobby cone.

Abies Douglasii — Hartweg, Seem etc

A. religiosa only from Guatemala

	Specimen in Herb	Cone in Museum
Liebmann No 1	P. oocarpa	Engelmanni?
2	P. oocarpa —	Ayacahuite mont high alt
3	P. patula var.	leiophylla
4	oocarpa —	patula
5	Montezumae	Ayacahuite Montezum high alt
6		oocarpa (abel oocarpoides)
7	Teocote	
8	Montezumae —	Montezumae
9	patula	patula Hot Springs
10	oocarpa —	oocarpa (tuberculosa)
11		Engelmanni ?

Salvini, Guatemala — Ayacahuite — Montezum, high alt

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Pinus Mexicana Roezl et
Schlechtdl. - Linnaea
vol 29 p. 326 et
- 356

11879

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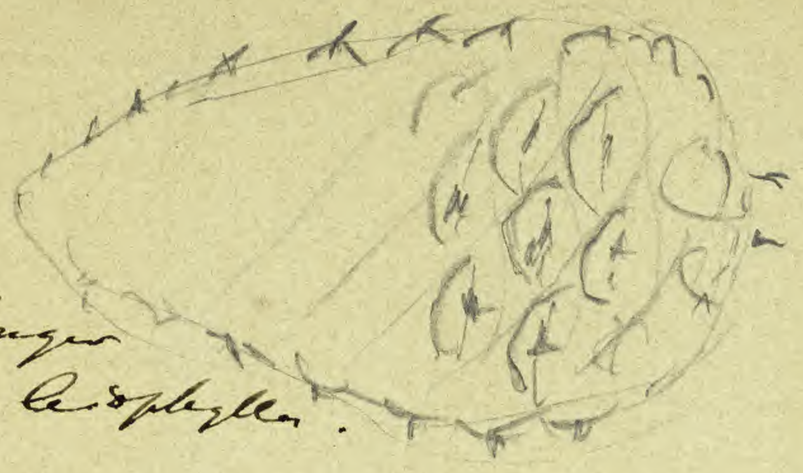
441. Mexico Hartweg 1839



H.C. Beckham

Kew Sept 13 1849

labelled by Beckham

P. leiophylla ?

comes with spines short
but strong / somewhat
recurved — sheaths not
disappearing — leaves longer
and more rigid than in leiophylla.

440 is rumbowsky

620 Chiapas in Guatemala Hartweg. tree 60–100 feet high

[Lobig not filifolia ?]

442 P. patula Hartweg, terminal cone — [correct!

no name

P. Strobus, Newfoundland, HC Fordyth

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Mus Kew Sept 1869

Oaxaca Liebman 61 is much like Lyngbye's

Liebm 7 Oaxaca is perhaps Leiophyllo
petiola ;

4 " 4

4 3 4 is perhaps a very knobby
Leiophyllo ?

& rather knobby P. occarpa is Linn : Nicaragua, & Oersted
Guatemala Salvin comes 12-19 cent long, elongate oval
is very much like the knobby Montezuma.
Like 2 & 5 of Liebman's, and like these remarkably
grooved shoots

"Pinaretta" Seeman seems P. teocote

11881

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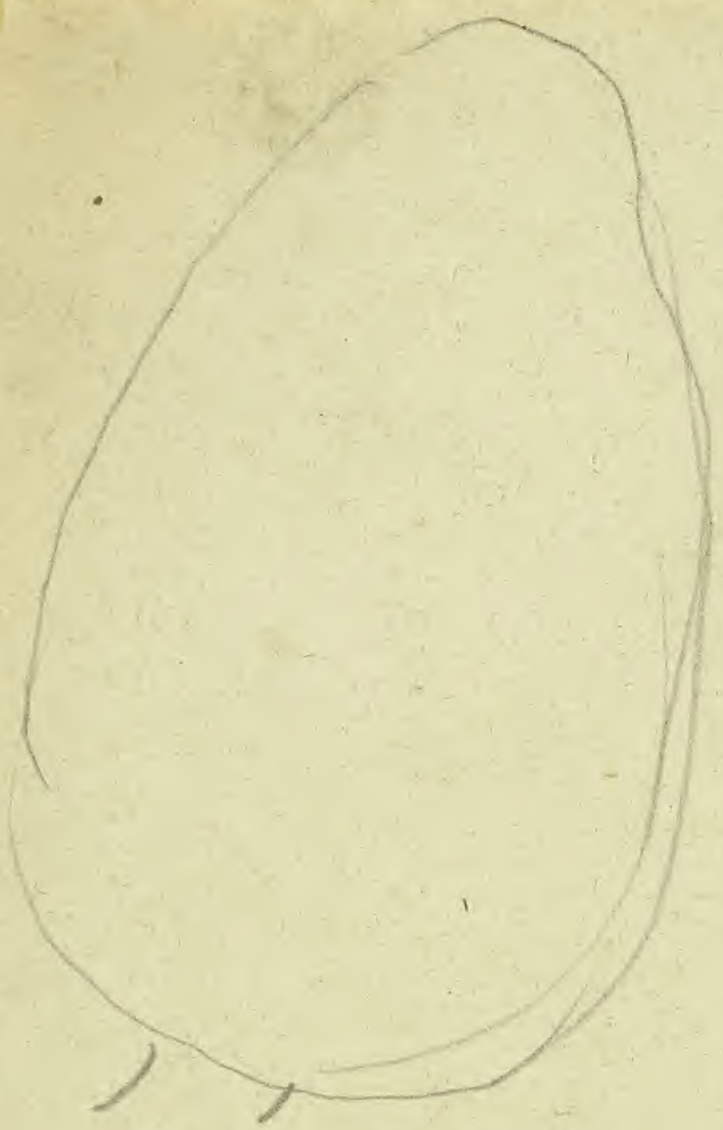

P. Brandegeei Torrey
Coue in Hooker Herb.
Bot Calif.
(Aug 1869)

Cones of P. longifolia, macrophylla,
filifolia and Devoniana as
named here are all identical with
the closed Cones of Montezumae
as I have taken it Cones
P. Montezumae has here
much smaller, ovate ones,
like Hartwegii of Mexico

Mexican Herb Bot Calif Aug 1869

0 1 2 3 4 5 6 7 8 9 10
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MISSOURI BOTANICAL GARDEN

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P. patula Real del Monte (Hartw.

P. strobiformis near P. Ayacahuite but seeds different.

P. macrophylla near Hartwegii

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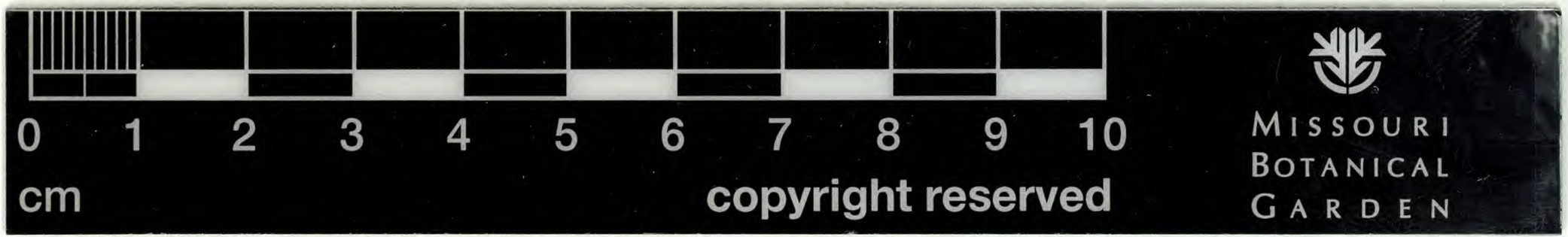
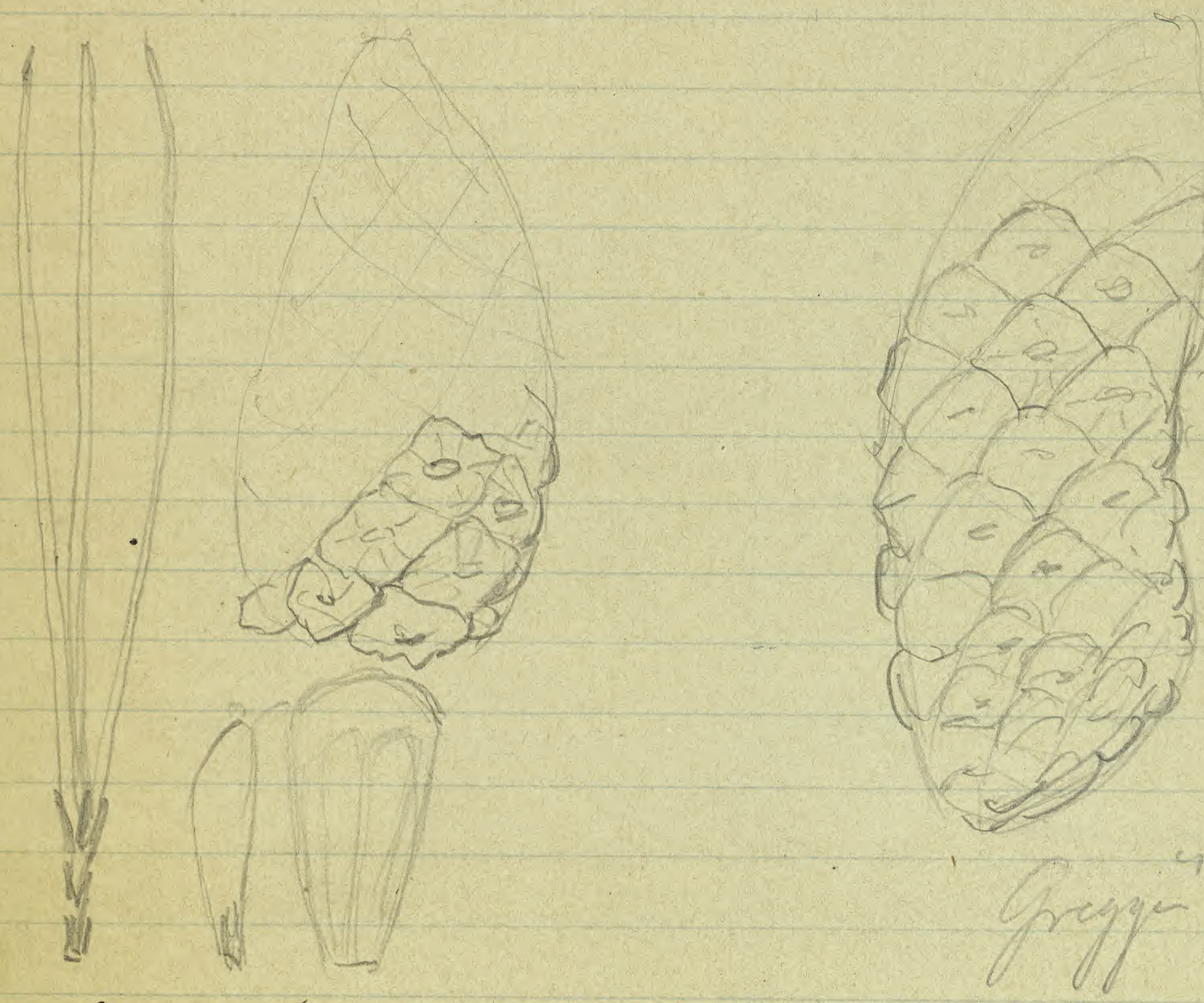


Pinus Greggii Greggs NE 402, coll near Saltillo, Aug 21st 1848. – fruit closely sessile, 3–4 Inches long, recurved? leaves only 2–3" long, straight — habit of Pinus sylvestris

The only Mexican Pine which resembles it, is P. Teocote from Real del Monte & Augangueo with longer leaves (3–6") and shorter ones (2–3") — leaves dis slender, often flexuous, cones pedunculed, pendulous



P. Teocote Schiedl Dcp
ap Lond Arbor. Brit IV. p. 2266.

Gregg

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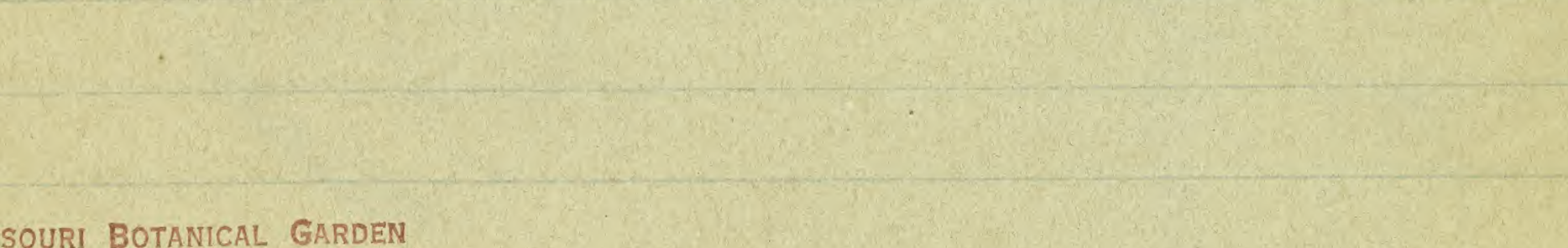

Cook in notes

A plant [illegible] name
Cercophyllum Rubel
with long, coarse leaves
and long pericarp
Virginia
and old mule Amerty
[illegible]
[illegible] not in my list
[illegible] 30.
(1024)

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Pini Mexicanae Berlin 1869

2 – Cones — none

3 Cones — Cambridge — subapic. latens
Gregii — Catend
patula — Catend
Teocote. — tapiral

5 (3–6) Cones — Montezumae ·1)
& var.
Engelmanni ||
oocarpa ||
Pseudo-strobus
Ceriophylla ||
Aya-huite ||

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P. Buonaparteæ Rovzl. Gord Pin Ed. 2. 294

Leaves 4–5" (sometimes 6–9) in one sheath
Cones cylindric 10–12 inches long 3–4 diam
scales rather more than ½ inch long at the
exposed part, reflexed strongly hooked back-
ward; point ½ inch long. Seeds large with
broad wings one inch long.
A noble tree 130' high
Durango on the Sierra Madre, called
"Pino Real"

P. Loudoniana Gord Pin ed 2. 311.
(P. Pseudostrobus Lindl. P. Don Pesh Royle
Leaves 4–5' com. 12–14 inches × 3–4
scales slightly curved at the point
Seeds very large, with broad angular wing
140' high, on Popocatepetl, also at Tenango

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